the professional labeling software

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NiceLabel

NiceLabel PocketSDK

User Guide

Version 20080925

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Table of Contents

1 NiceLabel PocketSDK Overview 4
1.1 Introduction to NiceLabel PocketSDK 4
1.2 NiceLabel PocketSDK Workflow 4
1.3 NiceLabel PocketSDK Components 5
1.4 Functional Comparison Between Pocket NiceLabel Engine and Pocket NiceLabel Application 5
1.5 Programming Requirements 5
1.6 Label Design 6

2 Installing NiceLabel PocketSDK 7
2.1 System Requirements 7
2.2 Deploying Pocket NiceLabel Engine Files 7
Automatic deployment during application installation 7
Deploy CAB file 7
During NiceLabel PocketSDK installation 7

3 Activate Pocket NiceLabel Engine 8
3.1 Confirming Activation Status 8
3.2 Activating NiceLabel Engine 8

4 Appendix 9

5 Online Support 11

6 Contact Information 12

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1 NiceLabel PocketSDK Overview

1.1 Introduction to NiceLabel PocketSDK

NiceLabel PocketSDK (Software Development Kit) is an edition for software publishers who integrate label printing functionality into their Windows Mobile applications.

The NiceLabel PocketSDK edition includes documentation, samples and tools designed to help you develop your label printing applications.

The heart of NiceLabel PocketSDK is the Pocket NiceLabel Engine designed to be integrated to other Windows mobile-based applications. The Pocket NiceLabel Engine acts as a label printing motor and enables software publishers to add label printing functionality to their own applications. Pocket NiceLabel Engine becomes a seamlessly integrated component of the software publisher's application.

Pocket NiceLabel Engine is not used for label design but purely for label processing and printing. It provides the same reliable and robust print engine as the stand-alone editions of NiceLabel software.

NiceLabel PocketSDK is a great tool to deploy and print labels from a Windows Mobile device. In this case the label design user interface and other user supported files are not necessary. NiceLabel PocketSDK includes only the files related to printing on the mobile device (print engine). The installation is stripped of all unnecessary files and user interfaces that otherwise accompany regular editions of the NiceLabel software.

NiceLabel PocketSDK includes the C# and VB.NET program code snippets and complete sample applications to be used in Microsoft Visual Studio 2005.

1.2 NiceLabel PocketSDK Workflow

NiceLabel PocketSDK prints labels that have been created with the licensed version of the NiceLabel software. Pocket NiceLabel Engine does not have any label design capabilities and cannot be used to design labels. You design all labels with one of the regular NiceLabel software editions.

Note: Please refer to the **NiceLabel Product Overview** in the Appendix for more information on other NiceLabel editions.

The NiceLabel PocketSDK edition includes one copy of the licensed version of NiceLabel Pro that is used as a label design tool. The NiceLabel Pro license is not distributed to the end users. It is solely used by the software publishers to design labels for their customers and embed them with their own applications.

The typical deployment scenario for NiceLabel PocketSDK is the following:

1. Software Publisher creates labels with NiceLabel Pro. The license to activate NiceLabel Pro is included in the NiceLabel PocketSDK package.

2. Software publisher uses NiceLabel PocketSDK to integrate Pocket NiceLabel Engine into the application, written in .NET.

3. When the publisher’s application is installed on the computer, Pocket NiceLabel Engine is installed at the same time.

4. Software publisher activates Pocket NiceLabel Engine through its programming interface in the publisher’s application.

5. The application uses Pocket NiceLabel Engine as the label printing engine. The user is not aware of NiceLabel software running in the background and printing the labels.

1.3 NiceLabel PocketSDK Components

The NiceLabel Pocket SDK includes the following components:

1. Pocket NiceLabel Engine files (engine itself and engine support files): Pocket NiceLabel engine runtime library

2. Pocket NiceLabel Engine installation CAB file (installation file to install the engine onto the mobile device)

3. PocketSDK User Guide

4. Pocket NiceLabel Programming Guide

5. C# and VB.NET program code snippets and complete sample applications

6. NiceLabel Pro application for designing labels (as part of the package needs to be installed separately and activated using the enclosed Hardware Key)

1.4 Functional Comparison Between Pocket NiceLabel Engine and Pocket NiceLabel Application

	Pocket NiceLabel Engine	**Pocket NiceLabel Application**
Create labels	NO	NO
Print labels	YES	YES
Needs custom application to initiate label printing	YES	NO

1.5 Programming Requirements

You need to be a .NET developer to use NiceLabel PocketSDK and integrate Pocket NiceLabel Engine into your application.

For the list of available methods and properties of Pocket NiceLabel Engine assembly interface, please refer to the **Pocket NiceLabel Programming Guide**. The programming guide is available on:

1 NiceLabel Developer Series CD

2 NiceLabel Web site at www.nicelabel.com

3 On your computer in the folder C:\Program Files\EuroPlus\NiceLabel Pocket SDK\Doc, if you have installed NiceLabel PocketSDK. Please refer to the chapter **Installing NiceLabel PocketSDK** for more information about installation types.

Note: To understand how to work with the Pocket NiceLabel programming interface, please refer to the C# VB.NET code samples. The samples are part of NiceLabel PocketSDK installation.

1.6 Label Design

Use the following NiceLabel editions to design the labels that will be printed with the Pocket NiceLabel Engine:

- NiceLabel Pro from the NiceLabel SDK package. The hardware key included in the package gives you full access to all NiceLabel Pro design features.
- Any other stand-alone NiceLabel software with label design capabilities equal or greater than NiceLabel Pro.

Important: Pocket NiceLabel Engine cannot directly print labels created with NiceLabel. The labels need to be exported to special Pocket NiceLabel format (.lvx file type). For more information on exporting labels, please refer to the NiceLabel Pro or Pocket NiceLabel documentation, available on the NiceLabel Web site at www.nicelabel.com.

2 Installing NiceLabel PocketSDK

The following sections discuss how to install and activate NiceLabel PocketSDK on deployment devices.

2.1 System Requirements

To ensure adequate performance, NiceLabel PocketSDK has the following system requirements for the Pocket NiceLabel Engine. Please ensure that the target systems meet these requirements before starting the installation process:

- Support for VS 2005
- Support for Microsoft Compact Framework 2.0 on mobile device.

Note: Currently, devices running Windows Mobile 2003 and Windows CE 4.2 and higher operating systems are supported. For an up-to-date information please refer to *Microsoft Download Center*.

2.2 Deploying Pocket NiceLabel Engine Files

Pocket NiceLabel Engine can be installed with any of the following methods:

- Recommended method: automatic deployment during installation of publisher's application
- Deploy CAB file manually or through the 3rd party installation
- During NiceLabel PocketSDK installation

2.2.1 Automatic deployment during application installation

This is the recommended method. Following files need to be copied to the location of publisher's application:

- PocketNiceEngine.dll
- ErrorHandler.dll
- Appi.xml

Note: Above files are located in folder *C:\Program Files\EuroPlus\NiceLabel Pocket SDK* on the development computer with PocketSDK installed.

2.2.2 Deploy CAB file

Use the Microsoft ActiveSync (or equivalent) synchronization utility to install the above three files into the Global Assembly Cache on the mobile device. The CAB file is available on the development computer after the NiceLabel PocketSDK installation.

2.2.3 During NiceLabel PocketSDK installation

Select the checkbox **Install Pocket NiceLabel Engine onto the device** during the NiceLabel PocketSDK installation. The Pocket NiceLabel Engine will be installed automatically.

3 Activate Pocket NiceLabel Engine

Please use the following methods to check the activation status and to activate the engine.

3.1 Confirming Activation Status

You can validate the activation status of the Pocket Nicelabel Engine by calling the “Is Demo” method. Result returned can be True or False. If True, you need to use the “Registration” method to initiate the activation process.

3.2 Activating NiceLabel Engine

You can use the “Registration” method to initiate activation process. Your application calls the Pocket Nicelabel Engine and passes the activation data (25-digit activation code and user and company details) to it.

If the data passed is valid, the activation is completed successfully. This is a one-time process.

4 Appendix

Euro Plus d.o.o. and Niceware International, LLC

Euro Plus d.o.o. and Niceware International, LLC develop, supply and support software for automatic identification and data collection (AIDC) solutions on the desktop PC, the corporate server or the mobile enterprise environment. Our flagship product NiceLabel has become one of the world's major label design and printing software combining easy-to-use interfaces with the integration of advanced thermal transfer technology, ERP systems solutions, RFID technology and data collection tools. NiceLabel cooperates with printer manufacturers, partners and customers from all over the world.

Microsoft has certified all NiceLabel products with the "Designed for Windows XP and 2000" and "Designed for Windows Vista" logos, indicating reliability and operational compliance in the latest Windows environments. As a Microsoft Certified Partner, Niceware and Euro Plus present an excellent business opportunity for all those searching for a reliable, high-tech and advanced partner in the automatic identification and data collection industry.

NiceLabel Product Overview

NiceLabel is the most advanced professional labeling software for desktop, mobile and enterprise users. NiceLabel offers an easy-to-use interface and meets any label design and printing requirement for efficient label printing solutions to users in retail, logistics, healthcare, chemical, automotive and other industries. NiceLabel offers three main product series.

NiceLabel Standard Series

The Standard Series is a line of NiceLabel core products for bar code and RFID label design, printing and entry-level integration. Products are easy to use but offer powerful functions expected from advanced label designers. The Standard Series includes NiceLabel Suite, NiceLabel Pro, NiceLabel Express and Pocket NiceLabel.
NiceLabel Suite: The full-featured, modular labeling solution for label design, integration and professional printing requirements. Multiple connectivity options allow users to perform stand-alone printing or integrate label printing into any network environment. NiceForm is a module in NiceLabel Suite that allows creating data entry and printing applications to make label production simple and error free. NiceLabel Suite includes NiceLabel Pro, NiceWatch, NiceForm, NicePrint, NicePrintQueue and Pocket NiceLabel for Windows CE support to create mobile printing applications.
NiceLabel Pro: The advanced label designer for professional bar code and RFID labeling, including complete database support and integration options. A wide range of features and options make NiceLabel Pro a perfect and easy-to-use tool for any labeling requirement. NiceLabel Pro includes NicePrintQueue, NiceData and NiceMemMaster.
NiceLabel Express: The basic label designer using wizards to fulfill basic bar code labeling needs. This entry-level software includes many design elements from the Pro edition with the emphasis on simplified user interaction.
Pocket NiceLabel: The label printing software for Windows CE mobile devices. Pocket NiceLabel enables Windows CE compatible computers and terminals to print bar code and RFID smart labels on any type of thermal printer that is supported by NiceLabel printer drivers.

NiceLabel Enterprise Series

The Enterprise Series is a line of NiceLabel products designed for centralized printing systems management, monitoring and integrated high-volume printing. The Enterprise Series includes NiceLabel Print Center and NiceWatch Enterprise.

NiceLabel Print Center: The enterprise solution for client-based label printing and centralized systems management. NiceLabel Print Center product includes two modules. The NiceLabel Enterprise Print Manager module manages the printing process centrally while label design and printing occurs locally on the client computers hosting the NiceLabel Suite module.

NiceWatch Enterprise: The enterprise solution for centralized integration of multi-threaded and high-volume label printing. NiceWatch Enterprise integrates the label printing process into enterprise-level products, such as Enterprise Resource Planning (ERP) systems, Warehouse Management Systems (WHS), Hospital Information Systems (HIS), and others.

NiceLabel Developer Series

The Developer Series is a line of NiceLabel products designed for software publishers looking for a way to integrate label printing functionality into their own applications. The Developer Series includes NiceLabel SDK, NiceLabel WebSDK and NiceLabel Pocket SDK.

NiceLabel SDK: Enables software publishers to reduce label printing development costs and add additional value to their Windows applications. NiceLabel SDK can be embedded into existing applications or information systems to support label printing.

NiceLabel WebSDK: Similar to NiceLabel SDK, the NiceLabel WebSDK offers software publishers to include bar code and RFID smart label printing in their Web applications. The NiceLabel WebSDK enables end-users to print labels without installing the NiceLabel software on client computers.

NiceLabel PocketSDK: Enables software publishers to integrate bar code and RFID smart label printing in Windows CE mobile applications. Software publishers deploy one application interface to print labels from a mobile device to more than 1300 thermal printers.

5 Online Support

You can find the latest builds, updates, workarounds for problems and Frequently Asked Questions (FAQ) under the Support section on our Web site at www.nicelabel.com. If you cannot solve the problem on your own, please contact your local vendor or representative offices listed in the topic Contact Information.

For more information please refer to:

- Support FAQ: http://www.nicelabel.com/Support/FAQ
- NiceLabel Tutorials: http://www.nicelabel.com/Learning-center/Tutorials
- NiceLabel Forums: http://forums.nicelabel.com/

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